

11 that they are radiated with compensating time delays
12 to an intended one of said plurality of mobile users
13 who coherently receives all such signals intended for
14 him;

15 wherein said central processing hub post-
16 processes received signals to introduce compensating
17 time delays such that all such signals received from
18 a particular remote user may be coherently processed
19 together.

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1 3. The system of claim 1, wherein each of
2 said plurality of individual transponding nodes is
3 independently selected from one of the following
4 system types: a space-based system, a high altitude
5 platform system, a tower based cellular network, or a
6 manned/unmanned aircraft.

1 4. The system of claim 2, wherein at
2 least one said plurality of mobile terminals is
3 assigned resource cells in platform-code space for
4 said return link that are different from said
5 resource cells in platform-code space assigned for
6 said forward link.

1 5. The system of claim 3, wherein said
2 high altitude platform system is comprised of a
3 plurality of manned/unmanned airships.

1 6. The system of claim 3, wherein said
2 high altitude platform system is comprised of a
3 plurality of high altitude balloons.

16 wherein each resource cell assigned to a
17 particular user enables him to transmit signals to or
18 from the hub through a particular transponder node
19 using a particular CDMA code.

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1 17. The system of claim 16, wherein said
2 high altitude 'platform system is comprised of a
3 plurality of manned/unmanned airships.

1 19. The system of claim 16, wherein said
2 plurality of individual transponder nodes are
3 selected from the same platform.

1 20. The system of claim 16, wherein said
2 plurality of individual transponder nodes are
3 selected from at least two of the platforms.

1 21. The system of claim 16, wherein said
2 ground hub pre-processes signals for forward link
3 transmission and post-processes signals for return
4 link reception.

$$\begin{array}{l} \text{[1]} \quad \text{[2]} \quad \text{[3]} \quad \text{[4]} \quad \text{[5]} \quad \text{[6]} \quad \text{[7]} \quad \text{[8]} \quad \text{[9]} \quad \text{[10]} \quad \text{[11]} \quad \text{[12]} \quad \text{[13]} \quad \text{[14]} \quad \text{[15]} \quad \text{[16]} \quad \text{[17]} \quad \text{[18]} \quad \text{[19]} \quad \text{[20]} \quad \text{[21]} \quad \text{[22]} \quad \text{[23]} \quad \text{[24]} \quad \text{[25]} \quad \text{[26]} \quad \text{[27]} \quad \text{[28]} \quad \text{[29]} \quad \text{[30]} \quad \text{[31]} \quad \text{[32]} \quad \text{[33]} \quad \text{[34]} \quad \text{[35]} \quad \text{[36]} \quad \text{[37]} \quad \text{[38]} \quad \text{[39]} \quad \text{[40]} \quad \text{[41]} \quad \text{[42]} \quad \text{[43]} \quad \text{[44]} \quad \text{[45]} \quad \text{[46]} \quad \text{[47]} \quad \text{[48]} \quad \text{[49]} \quad \text{[50]} \quad \text{[51]} \quad \text{[52]} \quad \text{[53]} \quad \text{[54]} \quad \text{[55]} \quad \text{[56]} \quad \text{[57]} \quad \text{[58]} \quad \text{[59]} \quad \text{[60]} \quad \text{[61]} \quad \text{[62]} \quad \text{[63]} \quad \text{[64]} \quad \text{[65]} \quad \text{[66]} \quad \text{[67]} \quad \text{[68]} \quad \text{[69]} \quad \text{[70]} \quad \text{[71]} \quad \text{[72]} \quad \text{[73]} \quad \text{[74]} \quad \text{[75]} \quad \text{[76]} \quad \text{[77]} \quad \text{[78]} \quad \text{[79]} \quad \text{[80]} \quad \text{[81]} \quad \text{[82]} \quad \text{[83]} \quad \text{[84]} \quad \text{[85]} \quad \text{[86]} \quad \text{[87]} \quad \text{[88]} \quad \text{[89]} \quad \text{[90]} \quad \text{[91]} \quad \text{[92]} \quad \text{[93]} \quad \text{[94]} \quad \text{[95]} \quad \text{[96]} \quad \text{[97]} \quad \text{[98]} \quad \text{[99]} \quad \text{[100]} \end{array}$$